

|  |                                 |                          |
|--|---------------------------------|--------------------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>PTO-1449 | DOCKET NO.<br>10020/29701       | SERIAL NO.<br>10/690,704 |
|  | APPLICANT<br>SHTEIN et al.      |                          |
|  | FILING DATE<br>October 23, 2003 | GROUP<br>1762            |

## U. S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | PATENT<br>NUMBER | PATENT<br>DATE    | NAME                | CLASS | SUBCLASS | FILING<br>DATE |
|---------------------|------------------|-------------------|---------------------|-------|----------|----------------|
| JA                  | 4,788,082        | November 29, 1988 | Schmitt             |       |          |                |
| JA                  | 5,256,205        | October 26, 1993  | Schmitt, III et al. |       |          |                |
| JA                  | 5,650,197        | July 22, 1997     | Halpern             |       |          |                |
|                     |                  |                   |                     |       |          |                |
|                     |                  |                   |                     |       |          |                |


## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|---------------------|--------------------|------|---------|-------|----------|-------------|----|
|                     |                    |      |         |       |          | YES         | NO |
|                     |                    |      |         |       |          |             |    |
|                     |                    |      |         |       |          |             |    |

## OTHER DOCUMENTS

| EXAMINER<br>INITIAL | AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.  |  |
|---------------------|---|--|
| JA                  | A.K. Rebrov, "Free Jets in Vacuum technologies", J. Vac. Sci. Technol., A 19(4), pp. 1679-1687, Jul/Aug 2001.   |  |
| JA                  | J. Fernandez de la Mora, "Surface impact of seeded jets at relatively large background densities", J. Chem. Phys, 82 (7), pp. 3453-3464, April 1, 1985.   |  |
| JA                  | J. Fernandez de la Mora et al., "Aerodynamic focusing of heavy molecules in seeded supersonic jets", J. Chem. Phys, 91 (4), pp. 2603-2615, August 15, 1989.   |  |
| JA                  | A.V. Vasenkov et al., "Flow-field properties under deposition of films from low-density jets", J. Appl. Phys., 77(9), pp. 4757-4764, May 1, 1995.   |  |
| JA                  | A.V. Vasenkov, et al., "Monte Carlo simulation of an amorphous hydrogenated silicon film deposition from a gas jet activated by an electron beam", Journal of Applied Physics, Volume 83, Number 7, pp. 3926-3928, April 1, 1998. |  |
| JA                  | Karl-Heinz Muller, "Role of Incident Kinetic Energy of Adatoms in Thin Film Growth", Surface Science Volume 184 (1987) pp. L375-L382.   |  |
| JA                  | M. Lebedev et al., "Simple self-selective method of velocity measurement for particles in impact-based deposition", J. Vac. Sci. Technol., A 18(2), pp. 563-566, Mar/Apr 2000.  |  |
| JA                  | B.L. Halpern et al., "Multiple Jets and moving substrates: Jet Vapor Deposition of multicomponent thin films", J. Vac. Sci. Technol., A 12 (4), pp. 1623-1627, July/August 1994.  |  |
| JA                  | D. Lubben, et al., "Growth and doping of Si layers by molecular-jet chemical vapor deposition: Device fabrication", Appl. Phys. Lett., 71(19), pp. 2812-2814, November 10, 1997.  |  |

| EXAMINER<br>INITIAL |  | AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.   |
|---------------------|--|--|
| ES                  |  | B.L. Halpern et al., "Gas jet deposition of thin films", Applied Surface Science 48/49, pp. 19-26, 1991.   |
| ES                  |  | D. Eres, "High-speed epitaxy using supersonic molecular jets", Mat. Res. Soc. Symp. Proc., Vol. 201, 1991.   |
| ES                  |  | G. Eres, "Application of Supersonic Molecular Jets in Semiconductor Thin Film Growth", Critical reviews in solid state and materials sciences, Volume 23, Issue 4, pp. 275-322, 1998.                  |
| ES                  |  | Zhang et al., "Jet Vapor Deposition of Organic Guest-Inorganic Host Thin Films for Optical and Electronic Applications", Journal of Electronic Materials, Volume 23, No. 11, pp. 1239-1244, Nov. 1994. |

|   |   |                 |         |
|---|---|-----------------|---------|
| EXAMINER  |  | DATE CONSIDERED | 1/31/05 |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |   |                 |         |



|   |  |                                  |
|---|--|----------------------------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT<br/>PTO-1449</b> | <b>DOCKET NO.</b><br>10020/29701       | <b>SERIAL NO.</b><br>10/690,704  |
|   | <b>APPLICANT</b><br>FORREST et al.     |                                  |
|   | <b>FILING DATE</b><br>October 23, 2003 | <b>GROUP</b><br>Not Yet Assigned |

**U. S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | PATENT<br>NUMBER | PATENT<br>DATE | NAME           | CLASS | SUBCLASS | FILING<br>DATE |
|---------------------|------------------|----------------|----------------|-------|----------|----------------|
| <i>JA</i>           | 6,596,443        | July 22, 2003  | Weaver et al.  |       |          |                |
| <i>JA</i>           | 6,214,631        | April 10, 2001 | Burrows et al. |       |          |                |
|                     |                  |                |                |       |          |                |
|                     |                  |                |                |       |          |                |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|---------------------|--------------------|------|---------|-------|----------|-------------|----|
|                     |                    |      |         |       |          | YES         | NO |
|                     |                    |      |         |       |          |             |    |
|                     |                    |      |         |       |          |             |    |
|                     |                    |      |         |       |          |             |    |
|                     |                    |      |         |       |          |             |    |

**OTHER DOCUMENTS**

| EXAMINER<br>INITIAL |  | AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC. |
|---------------------|--|--|
|                     |  |  |

|  |                               |
|--|-------------------------------|
| <b>EXAMINER</b> <i>DA</i>  | <b>DATE CONSIDERED</b> 2/1/05 |
| <b>EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                               |